

**Finger lancet assembly - has flexible, disposable housing contg. s
defining lancet which can project through housing opening**

Assignee:
Inventor(s):

MILES INC Standard company (MILE...)
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A61B 5/14 ; A61B 17/34 ;

IPC Class:

Derwent Classes:

P31;

Derwent Abstract

**DERWENT
RECORD**

(EP0428914A) The assembly includes a housing (12, 102) fabricated of flexible, disposable material. A spring (22) including a first end (30) defining a lancet (32) is mounted in the housing in a stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned against the housing. The lancet (32) is then returned to within the housing by the natural resiliency of the spring (22). The assembly includes a housing (12, 102) fabricated of flexible, disposable material. A spring (22) including a first end (30) defining a lancet (32) is mounted in the housing in a stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned against the housing. The lancet (32) is then returned to within the housing by the natural resiliency of the spring (22).

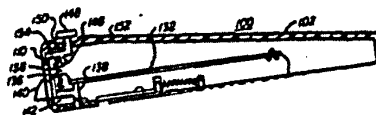
In a second embodiment of the lancet assembly (100) the housing (102) is reusable, and a disposable lancet cartridge (104) is mounted on the housing. A cantilever spring (132) is mounted in the housing and is cocked by a slide (146, 148) on the housing. Upon being released from the cocked position, the spring (132, 136) strikes a hammer member (138) engaging an end (112) of a lancet (114) in the lancet cartridge. After puncturing a finger, the lancet is returned to a position within the cartridge by return springs (130). The cartridge is then removed from the lancet assembly and discarded.

In a second embodiment of the lancet assembly (100) the housing (102) is reusable, and a disposable lancet cartridge (104) is mounted on the housing. A cantilever spring (132) is mounted in the housing and is cocked by a slide (146, 148) on the housing. Upon being released from the cocked position, the spring (132, 136) strikes a hammer member (138) engaging an end (112) of a lancet (114) in the lancet cartridge. After puncturing a finger, the lancet is returned to a position within the cartridge by return springs (130). The cartridge is then removed from the lancet assembly and discarded.

Use - A lancet assembly (10, 100) for making a puncture in a finger.
Use - A lancet assembly (10, 100) for making a puncture in a finger.

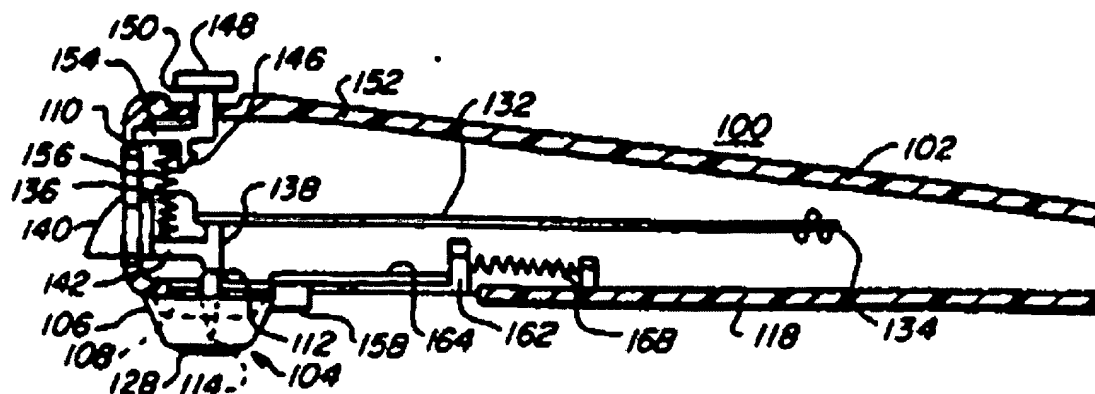
Abstract info:

Images:

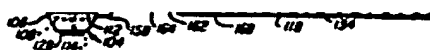




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Family:	Patent	Issued	DW Update	Pages	Language	IPC Class
	EP0428914A *	May 29, 1991	199122		English	A61B 5/14
	Des. States: (R) DE FR GB					
	Local appls.: EP1990000120876 ApplDate:1990-10-31 (90EP-0120876)					
					
	AU9063242A =	May 16, 1991	199127		English	
	Local appls.:					
					
	CA2025801A =	May 14, 1991	199130		English	A61B 17/32
	Local appls.:					
					

Priority Number(s):

Application Number	Application Date	Original Title
US1989000435985	Nov. 13, 1989	

Citations: DE2131297 : STECHAPPARAT ZUR BLUTENTNAHME
 EP0097748 : PRICKING DEVICE FOR COLLECTING A DROPLET OF BLOOD
 GB2098486 : BLOOD LANCET
 US3760809 : SURGICAL LANCET HAVING CASING
 US4577630 : REUSABLE BREACH LOADING TARGET PRESSURE ACTIVATED L FIRING DEVICE

Title Terms: FINGER LANCET ASSEMBLE FLEXIBLE DISPOSABLE HOUSING CONTAIN SPRI
 DEFINE LANCET CAN PROJECT THROUGH HOUSING OPEN

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